

# RouterBOARD

Mikrotik  
Wireless  
Mini PCI Adapter

## RouterBOARD R5H

### Quick Install Guide



#### Federal Communications Commission Notice (FCC ID TV7-R5H)

This device uses, generates, and radiates radio frequency energy. The radio frequency energy produced by this device is well below the maximum exposure allowed by the Federal Communications Commission (FCC).

Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment.

List of authorized antennas to use with this device:

Type	Gain	Model
Omni	12 dBi	OD58-12
Sector	17 dBi	SA4958-09-17
Panel	23 dBi	ARC-IA5823B01
Grid	29 dBi	GD5W-29
Dish	32 dBi	DA57-32

**Warning!** Installation must be performed by qualified service personnel only. Read and follow all warning notices and instructions marked on the product or included in the documentation. Before installing the product, read the rest of this document.

**Caution!** Any modification to this device can void your authority to operate the device.

**Warning!** Wear an anti-static wrist strap or take other suitable measures to prevent electrostatic discharge when handling this equipment.

#### Introduction



This industrial grade 802.11a wireless card from MikroTik is a new standard in quality. It provides accurate power control in wide range from 2.5 to 25dBm in temperatures from  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$  degrees. The R5H provides three kinds of filters in RX path for selection to reject unwanted signals. It will increase alternate channel rejection capability, so that more bandwidth can be used for communication. Because of the high sensitivity of R5H, it can achieve the same distance as competing products with higher power.

#### Package Content

RouterBOARD R5H package contains the following items:

- 1 x RouterBOARD R5H Wireless Mini PCI adapter

#### Application of Mini PCI

1. Align the R5H adapter to the Mini PCI socket.
2. Adjust and push down the R5H adapter gently until the metal-locking levers aside from the Mini PCI socket is fastened.  
**!! R5H adapter can only fit in one direction due to the keyed notch. Wrong orientation will cause improper installation and may damage the Mini PCI socket !!**
3. Connect antenna to R5H adapter.